
From: Davis, Terry/RDD
Sent: Friday, April 29, 2005 1:56 PM
To: Dolegowski, John/SCO
Cc: Collar, Robert/SCO; D'Aurora, Vito/RDD
Subject: RE: Additional Questions for 1,2,3-TCP

Hi John,

Please see my responses below.

Terry

-----Original Message-----

From: Dolegowski, John/SCO
Sent: Friday, April 29, 2005 1:28 PM
To: Davis, Terry/RDD
Cc: Collar, Robert/SCO; D'Aurora, Vito/RDD
Subject: Additional Questions for 1,2,3-TCP

Terry,

I have a few additional questions regarding your revised memo (dated 4/25).

- In the first draft (4/22) of your memo, you had listed 8260B as the method to be used for soil samples. The revised (4/25) memo listed both 8260B and 8021B for soil analysis. I assume that 8021B was previously used, and the currently used method is 8260B. The 4/22 memo states that the sample container to use for 8260B is "Encore; or sample is extruded into an empty sealed vial and cooled to $4 \pm 2^{\circ}\text{C}$ for no more than 48 hours, then frozen to -7°C upon laboratory receipt.[JRD1]" The 4/25 memo states that for 8260B, the container is "Brass or ss sleeve, cooled to 4°C ". Which one is correct, or are they all correct? [Response: I wrote the original draft under the impression that I was to recommend the best methods. Under that assumption I recommended the two DHS methods for water samples and 8260B for the soil samples. You then asked me to revise the memo to include all viable methods, that's the reason for including 8021B. Both methods are approved and in current use. Method 8021B offers lower detection, but is not as specific as 8260B. So the choice depends on the intended use of the data and circumstances of the sample. As far as sample container, Encore or extrusion into an empty sealed vial, etc., as specified in my original draft, is really the preferred sampling method to minimize volatile loss. You expressed a preference for the sleeve, so I put it in the revision with the footnote that the Encore sampler was the one recommended by EPA.](#)
- Is there a preferred method between the DHS PT-GC/MS method and the DHS LLE-GC/MS method for water analysis? [Response: Normally, no. Again, it depends on the sample. If analyzing non-potable water that might be contaminated with something that inhibits purging of the volatiles, the LLE method will probably extract the volatiles better from the sample matrix.](#)
- I need to see the 1,2,3-TCP reporting limit for each analytical method provided in your memo. [Response: The reporting limits depend on the project objectives. The lab can report down to the method detection limit, if required by the project. For accuracy, the reporting limit should be at least three times the method detection limit.](#)

I would like to get these answers by COB on Monday, if possible.

Thanks, John

